



BLAST.

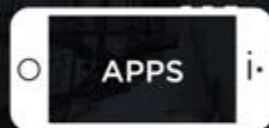
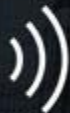
SOFTBALL

The Complete Hitting Solution for Players, Coaches & Teams



THE OFFICIAL
SENSOR TECH
OF NPF

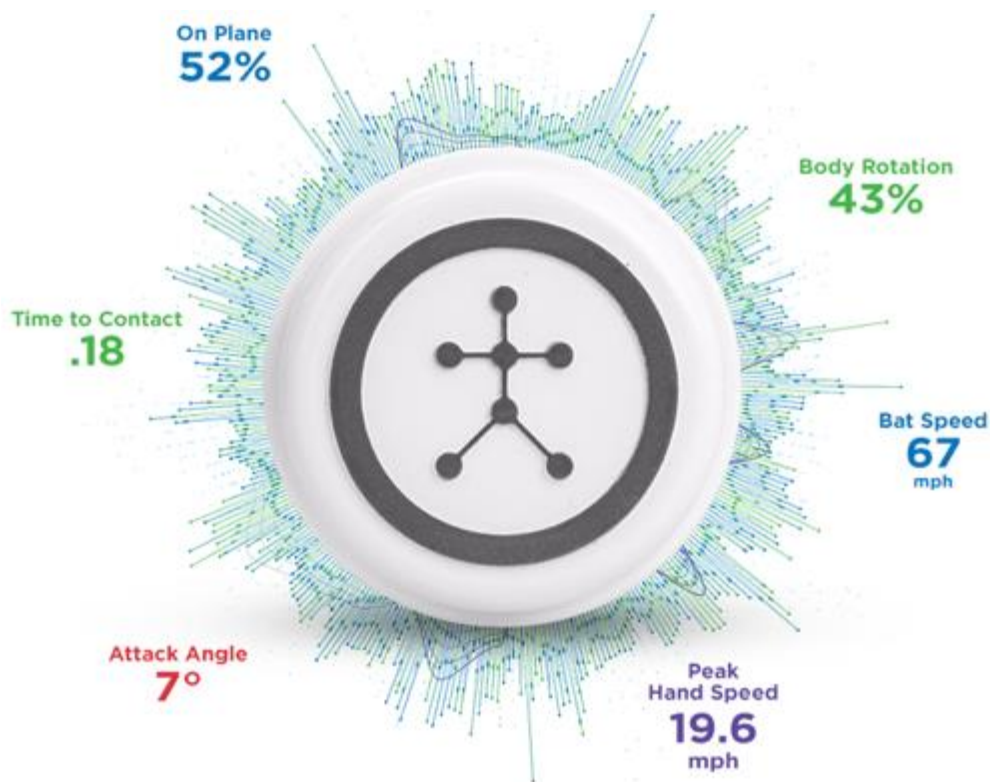
**TRAIN SMARTER.
GET BETTER.™**



Blast Premium Services package includes:

1. Blast Softball Sensor for each player
2. Player & Coach - access to advanced Blast Softball app features (annual)
3. Player & Coach - premium access to Blast Connect web portal (annual)

The Numbers Don't Lie



Blast Sensor

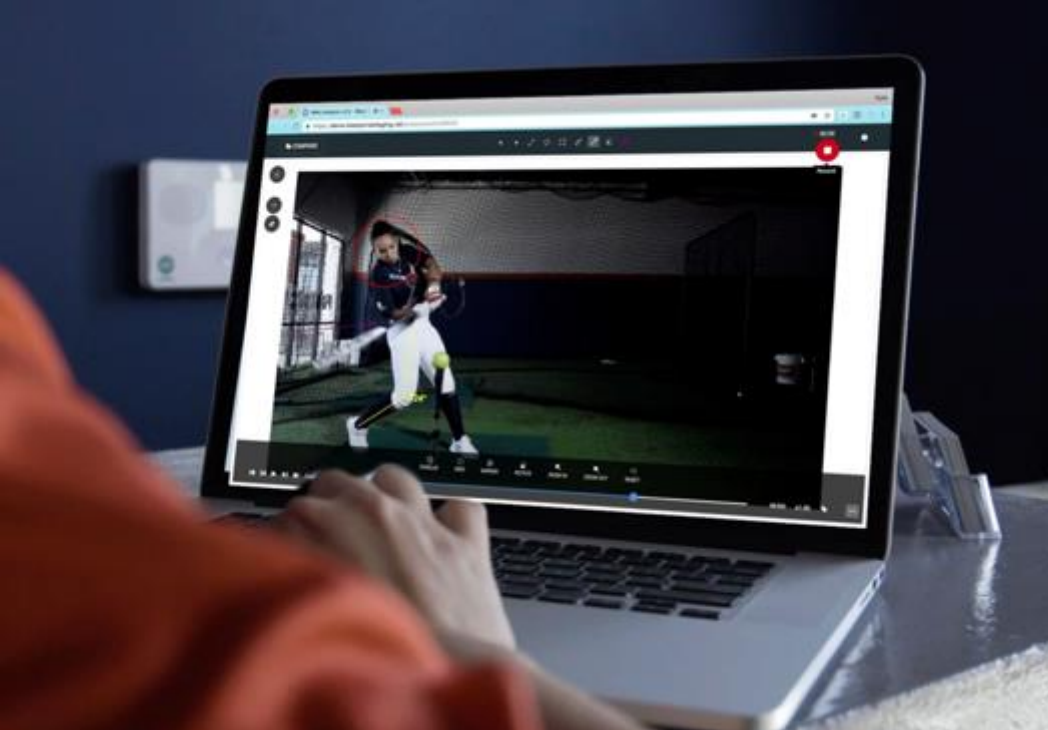
- Industry's most accurate and consistent swing analysis sensor
- Dynamic calibration for ease of use
- Real-time and offline swing capture mode for local storage of up to 1,000 swings
- Sleep Mode for efficient power management
- No on / off switch – automatically detects motion & turns on
- NCAA, NPF, PGF, USSSA approved for in-game use
- Bluetooth communication
- Wireless charging
- Low Profile design: 0.3 oz, diameter of a nickel



Mobile App

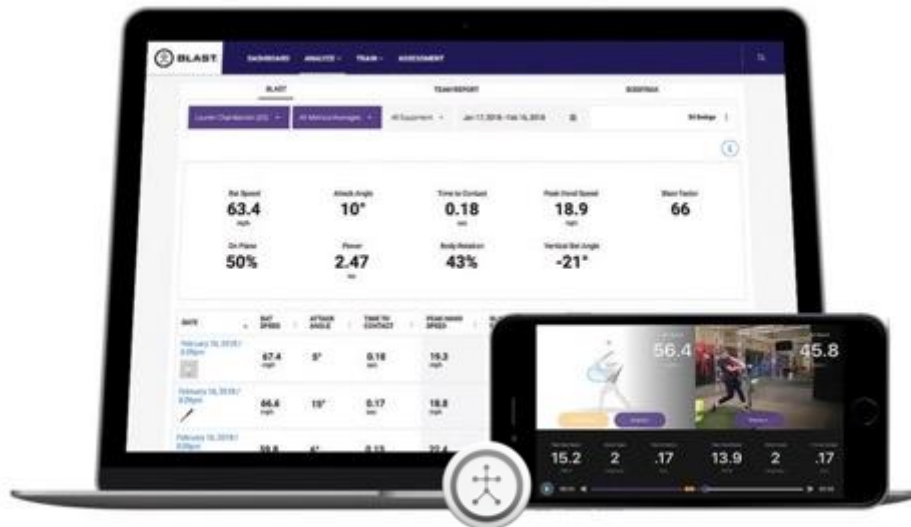
- App collects sensor data and displays it for immediate, real-time feedback
- Objective swing information and 3D swing tracer helps players, parents, and coaches “see” the results of their swing
- Review progress
- Quickly review video with Smart Video Capture™ (auto editing)
- Analyze and replay video with adaptive slow-mo technology
- Compare swings side-by-side
- Remote coaching feedback with video annotation & dictation






Blast Connect

- Cloud-based storage of information and video
- Enables direct communication with players, parents, and coaches
- Assign and track practices, workouts, and scheduling
- Teams and roster management
- Automatically aggregates information collected in-app
- Reporting, trending, and advanced insights
- Remote video analysis



A man wearing a hard hat and sunglasses is operating a surveying instrument mounted on a tripod. He is pointing the instrument towards the right. A woman in a dark shirt and pants, holding a baseball bat, stands to his right, looking towards him. The background is a chain-link fence and a grassy field.

Information to Measure Improvement

Blast Metrics & Ranges

Understanding the Blast Metrics



BAT SPEED



Barrel speed at contact.



PEAK BAT SPEED



Peak barrel speed during swing.



PEAK HAND SPEED



Peak hand speed during swing.



ATTACK ANGLE



Barrel angle at contact; up, down, or level.



VERTICAL BAT ANGLE



Steepness of barrel at contact.

PREMIUM



ON PLANE



Percentage of total bat speed while on swing plane.

PREMIUM



BODY ROTATION



Ratio of body rotation to total bat rotation.

PREMIUM



TIME TO CONTACT



Time from start of downswing to contact.



POWER



Bat mass X avg. acceleration X bat speed at impact.



BLAST FACTOR




Cumulative swing score based on power 50%, on plane 15%, body rotation 15%, attack angle 10%, and peak bat speed 10%

Identify Your Targets for Improvement

Blast Metric Ranges by Level of Play

| | PRO | COLLEGE | TRAVEL BALL 16U-18U | HIGH SCHOOL V | HIGH SCHOOL JV | TRAVEL BALL 12U-14U | REC |
|---------------------------|--|----------------|------------------------|------------------|-------------------|------------------------|----------------|
| BAT SPEED | 63-75 MPH | 58-70 MPH | 54-66 MPH | 49-63 MPH | 42-56 MPH | 38-52 MPH | 32-46 MPH |
| PEAK BAT SPEED | OVER A SESSION, YOUR PEAK BAT SPEED SHOULD BE THE SAME OR SIMILAR TO YOUR BAT SPEED. | | | | | | |
| PEAK HAND SPEED | 21-27 MPH | 20-26 MPH | 18-26 MPH | 16-24 MPH | 14-22 MPH | 13-21 MPH | 10-18 MPH |
| ATTACK ANGLE | 3 TO 15 DEG | 2 TO 14 DEG | 0 TO 14 DEG | 0 TO 14 DEG | -1 TO 14 DEG | -1 TO 14 DEG | -2 TO 14 DEG |
| VERTICAL BAT ANGLE | -25 TO -35 DEG | -24 TO -34 DEG | -23 TO -33 DEG | -21 TO -31 DEG | -20 TO -30 DEG | -17 TO -27 DEG | -15 TO -25 DEG |
| ON PLANE | ABOVE 55% ON PLANE... THE MORE ON PLANE, THE MORE EFFICIENTLY YOU CAN BUILD BAT SPEED. | | | | | | |
| BODY ROTATION | MOST PLAYERS SHOULD TARGET A RATIO OF 45%, WITH A TYPICAL DYNAMIC RANGE OF 40%-50%. | | | | | | |
| TIME TO CONTACT | 0.14-0.18 SEC | 0.15-0.20 SEC | 0.15-0.21 SEC | 0.15-0.21 SEC | 0.16-0.22 SEC | 0.16-0.22 SEC | 0.18-0.25 SEC |
| POWER | 3.40-4.60 KW | 2.50-4.0 KW | 0.80-2.20 KW | 1.65-2.85 KW | 1.25-2.45 KW | 0.80-2.2 KW | 0.60-2.05 KW |
| BLAST FACTOR | 78-92 | 67-83 | 56-74 | 45-65 | 35-55 | 25-45 | 15-35 |

A man wearing a hard hat and sunglasses is operating a surveying instrument mounted on a tripod. He is pointing the instrument towards the right. A woman in a softball glove is standing to his right, looking at him. The background is a chain-link fence.

Why Use Blast?

The Value of Game Changing Technology



Player Development

The Blast solution collects and presents objective information, helping coaches and athletes transform data into improvement insights.

Capture and analyze details of every hit with simple stats and graphs. Set goals and monitor progress over time to identify performance trends and areas for improvement.





Collegiate Recruiting

Blast Connect offers college coaches comprehensive team data, a rich set of player analytics, reporting, video, and historical insights.

This information offers a more complete and objective view of each athlete's hitting potential, giving college coaches the ability to find recruits quicker and qualify their selections with objective information.



Affordable Improvement Solution

The Blast Softball Premium Package is cost effective and includes our full solution for every player and coach.

Blast offers team packages with significant per player discounts compared to traditional retail pricing. For more information, please contact your head coach.

Team Report - May 16, 2018 to June 15, 2018

| First Name | Last Name | Total Swings | Bat Speed | Attack Angle | Time to Contact | Peak Hand Speed | Blast Factor | On Plane | Power | Body Rotation | Vertical Bat Angle |
|----------------|-----------|--------------|-----------|--------------|-----------------|-----------------|--------------|----------|---------|---------------|--------------------|
| Diamond | Elizondo | 1453 | 54.7 mph | 10° | 0.16 sec | 16.1 mph | 67 | 73% | 1.81 kW | 46% | -22° |
| Tivoli | Martinez | 1395 | 49.3 mph | 4° | 0.15 sec | 17.1 mph | 53 | 73% | 1.23 kW | 41% | -26° |
| Madison Taylor | Gray | 1300 | 53.4 mph | 3° | 0.15 sec | 20.0 mph | 58 | 73% | 1.68 kW | 43% | -25° |
| Naveah | Herrera | 1244 | 50.6 mph | 8° | 0.19 sec | 15.8 mph | 49 | 55% | 1.27 kW | 40% | -32° |
| Naveah | Alcantar | 1084 | 49.2 mph | 4° | 0.18 sec | 14.6 mph | 56 | 60% | 1.32 kW | 46% | -32° |
| Araceli | Alonzo | 1047 | 42.5 mph | 10° | 0.18 sec | 14.2 mph | 48 | 71% | 0.77 kW | 42% | -23° |
| Aile | Cruz | 1010 | 58.3 mph | 6° | 0.15 sec | 19.6 mph | 70 | 72% | 2.25 kW | 44% | -24° |
| Emily | Fish | 1001 | 51.5 mph | 8° | 0.17 sec | 17.4 mph | 54 | 54% | 1.38 kW | 41% | -25° |
| Ryanne | Limon | 860 | 49.0 mph | 0° | 0.18 sec | 16.0 mph | 52 | 50% | 1.30 kW | 44% | -27° |

Customer Testimonials



"We are proud to partner with Blast Motion and are excited to get into the data and metrics their system can produce. We are in the business of making data driven decisions for our student athletes and our program. We are always looking for the best information."

Heather Tarr, University of Washington Head Coach



"Technology plays such an important role in the game of softball and today's players are hungry for information that can better their game. Blast allows us to measure and, most important, improve specific aspects of the swing more accurately and efficiently than ever before."

Karen Weekly, University of Tennessee Associate Head Coach



"My favorite thing about using Blast is that it shows me what right feels like. So when I get my numbers exactly where I want them, then I know how that feels. But if I do it wrong, then I know exactly how that feels too. And that needs to change. So it'll get me my muscle memory in order to continue doing what I'm doing."

Ashley Diamond Elizondo, TNT Academy, High School Athlete

We're Focused on Your Success

Featured Partners & Top Collegiate Programs



Softball Business Partners





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